



Laboratory Safety

This course aims to equip learners with the knowledge and skill to identify S&H legal compliance, associated hazards, and responsibilities in Safety & Health Management System.

DURATION
1 Day

LANGUAGE
English

COURSE CODE
LS-60021

Laboratory Safety

Course Content

The syllabus focuses on:

- Understanding Singapore Legal Requirement framework for Laboratory safety
- Licensing requirement for Flammables, Hazardous Substances and Explosive Precursors
- Medical Surveillance for Laboratory Employees
- Permissible exposure levels for Toxic Substances
- Handle and disposal of Laboratory waste
- Understand the Risk Assessment Process
- GHS Labelling of Chemicals
- Knowing your chemicals through Safety Data Sheet
- Handle and storage of chemicals according to their compatibility
- Safe handling and Lab Equipment/Instruments
- Ergonomic Practices In the laboratory
- Housekeeping and fire prevention
- How to select your Personal Protective Equipment (PPE)
- First Aid & Emergency Response
- Near Miss & Incident Reporting

Who Should Attend

Laboratory users & staff.

Assessment & Certification

Certification will be issued to participant who attend the course and successfully complete the assessments.

Method of Study

- Face-to-face workshop with active learning environment
- Online Webinar with virtual interactive activities

Assessment

- Online Quiz upon completion of the course

Certification

- Certificate of Attendance will be awarded for participant who:
 - With 100% attendance; and
 - Passing the assessment criteria

Learning Outcomes

- Display personal responsibilities on workplace safety and health
- Identify laboratory risk exposure through risk assessment
- Apply the process of chemical classification and hazards communication through use of labels In the GHS system
- Identify the content of chemical through Safety Data Sheet
- Retrieve the Information of chemical's hazard through Safety Data Sheet
- Manage the correct practise in waste disposal in the laboratory
- Demonstrate best safety practice in chemical storage, handling, transportation
- Specify the appropriate PPE to wear in the laboratory
- Demonstrate to emergency situations such as fire and chemical spills in the laboratory
- Manage any near miss and Incident reporting when it occurs in the laboratory

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